



**State of Louisiana
Department of Natural Resources
Coastal Engineering Division**

**2006/2007 Annual Inspection
Report**

for

**GIWW BANK STABILIZATION
PROJECT (PERRY RIDGE TO
TEXAS (CS-30)**

State Project Number CS-30
Priority Project List 9

June 20, 2007
Calcasieu Parish

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I. Introduction

The GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) is located in the Calcasieu-Sabine Basin on the northern bank of the Gulf Intracoastal Waterway in Calcasieu Parish. The 1,132 acre project area extends from the Perry Ridge on the northern shore of the GIWW westward to the Sabine River. (See Appendix A).

The GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) was authorized by Section 303(a) of Title III Public Law 101-646, the Coastal Wetlands Planning Protection and Restoration Act (CWPPRA) enacted on November 29, 1990 as amended and approved on the ninth Priority Project List. The GIWW Bank Stabilization (Perry Ridge to Texas) Project has a twenty –year (20 year) economic life, which began in July 2002.

II. Project Description and History

The GIWW Bank Stabilization (Perry Ridge to Texas) Project encompasses 1,132 acres and is bounded on the south by the Gulf Intracoastal Waterway (GIWW), on the east by Perry Ridge, on the west by Conway Bayou and the Sabine River, and on the north by a pipeline canal (Attachment II). The project involves the installation and maintenance of approximately 22,952 linear feet of terrace vegetated with California bulrush plants located in shallow water areas north of the GIWW and 10,705 linear feet of foreshore rock dike on the northern bank of the GIWW from Perry Ridge heading westward to the Sabine River and then along the eastern bank of the Sabine River beginning at it's intersection with the GIWW and heading north.

The Project has twenty-year (20 year) economic life, which began in July 2002.

The principal project features include:

- Site 1 - Foreshore Rock Dike (approximately 10,705 linear feet)
- Site 2 – Earthen Terraces with vegetative plantings

III. Inspection Purpose and Procedures

The purpose of the annual inspection of the GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) is to evaluate the constructed project features and identify any deficiencies and prepare a report detailing the condition of project features and recommended corrective actions needed. Should it be determined that corrective actions are needed, LDNR shall provide, in the report, a detailed cost estimate for engineering, design, supervision, inspection, and construction contingencies, and an assessment of the urgency of such repairs (O&M Plan, 2002). The annual inspection report also contains a summary of maintenance projects which were completed since completion of constructed project features and an estimated projected budget for the upcoming three (3) years for operation, maintenance and rehabilitation. The

three (3) year projected operation and maintenance budget is shown in Appendix C. A summary of past operation and maintenance projects completed since completion of the GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) are outlined in Section IV.

An annual O & M inspection of the GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) was held on June 20, 2007 under sunny skies and warm temperatures. In attendance were Mel Guidry, Stan Aucoin, Darrell Pontiff of LDNR, along with Cindy Steyer and Dale Garber representing NRCS. The field inspection included a complete visual inspection on the entire project site. Staff gauge readings and existing benchmarks were not available to be used to determine approximate water elevation and existing elevation of the foreshore rock dike and earthen terraces. Photographs were taken at each project feature (see Appendix B) and field inspection notes were compiled to record measurement and deficiencies (Appendix D).

IV. Summary of Past Operation and Maintenance Projects

General Maintenance: Below is a summary of completed maintenance projects and operation tasks performed since July 2002, the construction completion date of the GIWW Bank Stabilization Project Perry Ridge to Texas (CS-30).

No maintenance has been required on this project.

Structure Operations: There are no active operations associated with this project.

V. Inspection Results

Site 1—Foreshore rock dike

The dike is in very good condition with one small area apparently displaced by a barge noted as being below the constructed height. No maintenance is recommended at this time. (Photos: Appendix B, Photos 1 & 2)

Site 2—Earthen Terraces with vegetative plantings

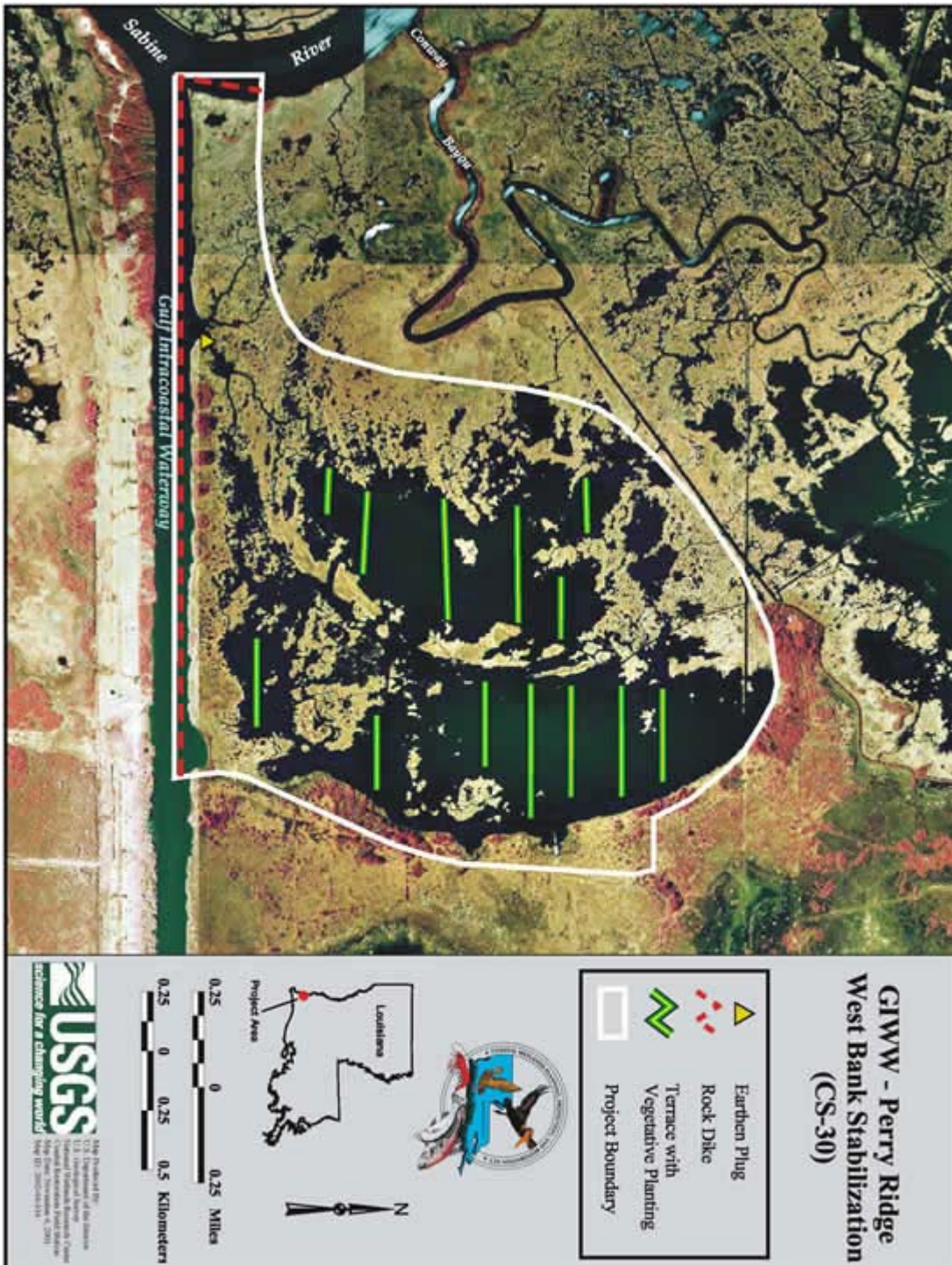
The earthen terraces and vegetative plantings are in very good condition. No maintenance is recommended at this time. (Photos: Appendix B, Photo 3)

VI. Conclusions and Recommendations

The Perry Ridge West Bank Stabilization Project is in very good condition and functioning as designed.

Appendix A
Project Features Map

Annual Inspection Report
PERRY RIDGE WEST BANK STABILIZATION
State Project No. CS-30



Appendix B

Photographs



Photo 1, Typical rock dike.



Photo 2, Rock dike, view showing low area hit by barge.



Photo 3, Typical terrace feature.

Appendix C

Three Year Budget Projection

Annual Inspection Report
PERRY RIDGE WEST BANK STABILIZATION
State Project No. CS-30

GIWW-PERRY RIDGE BANK STABILIZATION/ CS-30 /PPL 9
Three-Year Operations & Maintenance Budgets 07/01/2007 - 06/30/10

<u>Project Manager</u>	<u>O & M Manager</u>	<u>Federal Sponsor</u>	<u>Prepared By</u>
Pat Landry	Mel Guidry	NRCS	Mel Guidry

	2007/2008	2008/2009	2009/2010
Maintenance Inspection	\$ 5,407.00	\$ 5,570.00	\$ 5,737.00
Structure Operation			
Administration		\$ -	\$ -
Maintenance/Rehabilitation			

07/08 Description:

E&D	
Construction	
Construction Oversight	
Sub Total - Maint. And Rehab.	\$ -

08/09 Description:

E&D	\$ -
Construction	\$ -
Construction Oversight	\$ -
Sub Total - Maint. And Rehab.	\$ -

09/10 Description:

E&D	\$ -
Construction	\$ -
Construction Oversight	\$ -
Sub Total - Maint. And Rehab.	\$ -

	2007/2008	2008/2009	2009/2010
Total O&M Budgets	\$ 5,407.00	\$ 5,570.00	\$ 5,737.00

O & M Budget (3 yr Total)	\$ 16,714.00
Unexpended O & M Budget	\$ 46,559.57
Remaining O & M Budget (Projected)	\$ 29,845.57

Appendix D

Field Inspection Form

Annual Inspection Report
PERRY RIDGE WEST BANK STABILIZATION
State Project No. CS-30

MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: CS-30 GIWW-Perry Ridge

Date of Inspection: June 20, 2007 Time:

Structure No.

Inspector(s): Stan Aucoin, Mel Guidry & Darrell Pontiff (LDNR)
Dale Garber & Cindy Steyer (NRCS)

Structure Description: Rock Dike/Earthen Terraces

Water Level

Type of Inspection: Annual

Weather Conditions: Clear & hot

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
Steel Bulkhead / Caps	N/A				
Steel Grating	N/A				
Stop Logs	N/A				
Hardware	N/A				
Timber Piles	N/A				
Timber Wales	N/A				
Galv. Pile Caps	N/A				
Cables	N/A				
Signage /Supports	N/A				
Rip Rap (fill) (foreshore dike)	Good			1 & 2	One area slightly damaged by apparent barge tow.
Earthen Terraces	Good				
Vegetative Plantings	Good				

What are the conditions of the existing levees?
Are there any noticeable breaches?
Settlement of rock plugs and rock weirs?
Position of stoplogs at the time of the inspection?
Are there any signs of vandalism?

Appendix E

Locations to be Monitored